

Notice of Allowability	Application No.	Applicant(s)	
	09/456,692	FRY ET AL.	
	Examiner	Art Unit	
	Carl Colin	2136	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to communications filed on 10/31/2007.
2. ☒ The allowed claim(s) is/are 107, 110-122, 124, 126-131, 134-142, 144, 146, 147, 165, 168-176, 178, 180 and 181.
3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) ☐ All b) ☐ Some* c) ☐ None of the:
 1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.
THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
 - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.

Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

- | | |
|--|---|
| 1. <input type="checkbox"/> Notice of References Cited (PTO-892) | 5. <input type="checkbox"/> Notice of Informal Patent Application |
| 2. <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 6. <input checked="" type="checkbox"/> Interview Summary (PTO-413),
Paper No./Mail Date <u>see att</u> . |
| 3. <input type="checkbox"/> Information Disclosure Statements (PTO/SB/08),
Paper No./Mail Date _____ | 7. <input checked="" type="checkbox"/> Examiner's Amendment/Comment |
| 4. <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit
of Biological Material | 8. <input type="checkbox"/> Examiner's Statement of Reasons for Allowance |
| | 9. <input type="checkbox"/> Other _____ |

/Carl Colin/
Examiner, Art Unit 2136

DETAILED ACTION

Continued Examination Under 37 CFR 1.114

1. A request for continued examination under 37 CFR 1.114, including the fee set forth in 37 CFR 1.17(e), was filed in this application after final rejection. Since this application is eligible for continued examination under 37 CFR 1.114, and the fee set forth in 37 CFR 1.17(e) has been timely paid, the finality of the previous Office action has been withdrawn pursuant to 37 CFR 1.114. Applicant's submission filed on 10/31/2007 has been entered.

Response to Arguments

2. In response to communications filed on 10/31/2007, applicant has amended claims 107, 111-115, 117, 118, 120, 126-128, 131, 134-140, 146-147, 165, 169-174, 176, 178, 180, and 181; and cancels claims 108, 109, 123, 125, 132, 133, 143, 145, 166, 167, 177, and 179; the following claims 107, 110-122, 124, 126-131, 134-142, 144, 146, 147, 165, 168-176, 178, 180 and 181 are presented for examination.

2.1 Applicant's arguments, pages 12-14, filed on 10/23/2007, with respect to the art rejection of the claims have been fully considered, and they are persuasive as amended. The objection to claim 131 has been withdrawn with respect to the amendment. The 101 rejection of claims 165 and 174 has been withdrawn in view of the Examiner's amendment.

EXAMINER'S AMENDMENT

3. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR

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1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Samuel G. Campbell, III on January 22, 2008.

The application has been amended as follows:

Amend the following **claims 165 and 174**:

165. (Currently Amended) A computer program product encoded in a computer readable storage media, the computer program product comprising:

- a first set of instructions, executable by a processor and configured to cause the processor to provide a plurality of sockets, wherein each socket has an associated connection and an associated security token, each associated connection is inbound relative to a relay program, and the associated security token is provided by the associated connection;
 - a second set of instructions, executable by the processor and configured to cause the processor to receive a first connection and a first security token at the relay program, wherein the first connection is inbound relative to the relay program;
 - a third set of instructions, executable by the processor and configured to cause the processor to create a socket associated with the first connection, wherein-the third set of instructions comprises
 - a first subset of instructions, executable by a processor and configured to cause the processor to associate the first security token with the first connection;
 - a fourth set of instructions, executable by the processor and configured to cause the processor to compare the first security token with the associated security tokens;
 - a fifth set of instructions, executable by the processor and configured to cause the processor to include the socket in the plurality of sockets, in response to said comparing, if none of the associated security tokens match the first security token;
 - a sixth set of instructions, executable by the processor and configured to cause the processor, in response to the fourth set of instructions, to couple an end point of the first connection and an end point of a connection associated with the socket associated with the matching security token to one another, wherein
 - a security token is a password; and
- ~~computer readable storage media, wherein said computer program product is encoded in said computer readable storage media.~~

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174. **(Currently Amended)** A computer program product encoded in a computer readable storage media, the computer program product comprising:

a first set of instructions, executable by a first processor and configured to cause the first processor to create a first connection from a first program to a relay program, wherein

the first connection is inbound to the relay program;

a second set of instructions, executable by the first processor and configured to cause the first processor to receive a first security token from the first program to the relay program, wherein

the first security token is a password, and

said second set of instruction comprises

a first subset of instructions providing the first security token to the relay program;

a third set of instructions, executable by the first processor and configured to cause the first processor to create a socket associated with the first connection, wherein said third set of instructions comprises

a second subset of instructions, executable by the first processor and configured to cause the first processor to associate the first security token with the first connection;

a fourth set of instructions, executable by the first processor and configured to cause the first processor to compare the first security token with one or more security tokens associated with one or more corresponding connections;

a fifth set of instructions, executable by the first processor and configured to cause the first processor to create a second connection to a relay program;

a sixth set of instructions, executable by the first processor and configured to cause the first processor to provide the first security token to the relay program;

a seventh set of instructions, executable by the first processor and configured to cause the first processor to couple the first connection to the second connection upon successful creation of the second connection;

an eighth set of instructions executable by a second processor, responsive to said comparing, and configured to cause the second processor to couple the second connection to the connection associated with the matching security token if the first security token and a security token associated with a corresponding connection match;

a ninth set of instructions, executable by the second processor, responsive to said comparing, and configured to cause the second processor to include the second connection with said one or more corresponding connections if none of the associated security tokens match the first security token; and

~~computer readable storage media, wherein said computer program product is encoded in said computer readable storage media.~~

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Allowable Subject Matter

4. Claims 107,110-122,124,126-131,134-142,144,146,147,165,168-176,178,180 and 181 are allowed.

Conclusion

5. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Carl Colin whose telephone number is 571-272-3862. The examiner can normally be reached on Monday through Thursday, 8:00-6:30 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Nasser G. Moazzami can be reached on 571-272-4195. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/Carl Colin/

Carl Colin

Patent Examiner, A.U. 2136

January 22, 2008